

After-sales Service Instructions

Repair

44

VDT-W-440/100 B
Ed. 1

Supply Pump

0 440 017 004 - FP/K 22 MW 5

BOSCH After-sales Service
Automotive
Equipment

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Automotive Equipment — After-sales Service
Department for Technical Publications KH/VDT
Postfach 50, D-7000 Stuttgart 1

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1. General

The item numbers occurring in the text and enclosed
in parentheses are shown in the exploded view in
Fig. 5, page 4.

2. Replacing the hand primer

In the case of supply pumps 0 440 017 004 — FP/K22 MW 5, the hand primer is not provided with a hexagon for loosening.

If it is necessary to replace the hand primer, this sequence is to be followed:

Clamp the supply pump in the vise.
Remove the suction valve and delivery-valve.
Remove fuel supply screw (19), prefilter (20), screw plug (6) with seal ring (7), helical compression spring (5), pump plunger (3), thrust pin (4), retainer (12) and roller tappet (8).

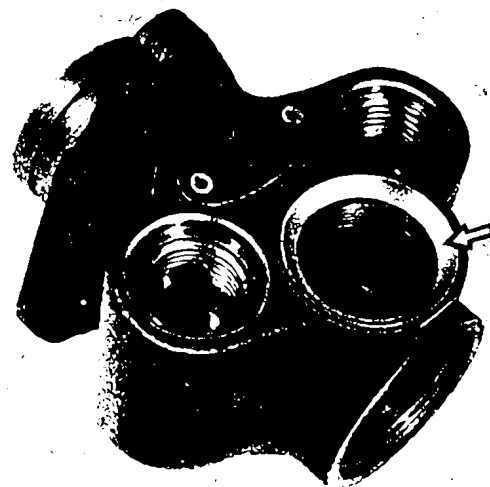
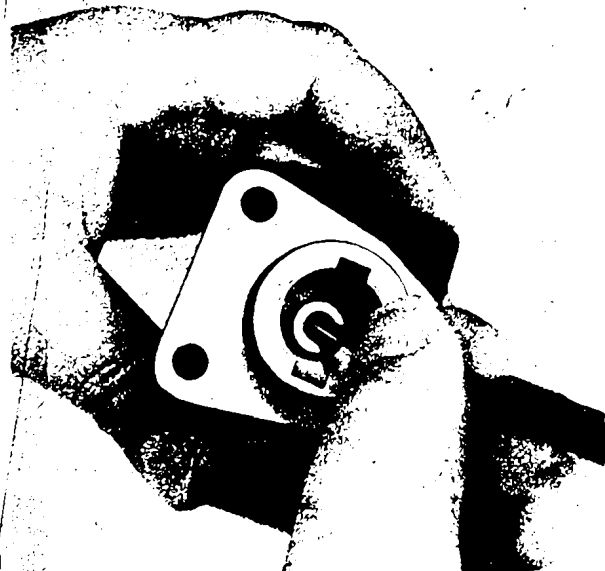
Pull out seal ring (2) using a scriber (Fig. 1).

Loosen hand primer (50) using a commercially available pipe wrench and unscrew. If necessary, heat supply pump to 100 ... 120 °C (210 ... 250 °F). Clean the fastening thread in the pump housing for the hand primer and degrease.

3. Assembly

Coat the fastening thread for the hand primer and the bevelled sealing surface (Fig. 2) with a suitable adhesive (UHU-Plus).

Also coat the fastening thread on the new hand primer with a suitable adhesive (UHU-Plus) and screw in by hand.



2

Assemble the supply pump after the adhesive is cured.

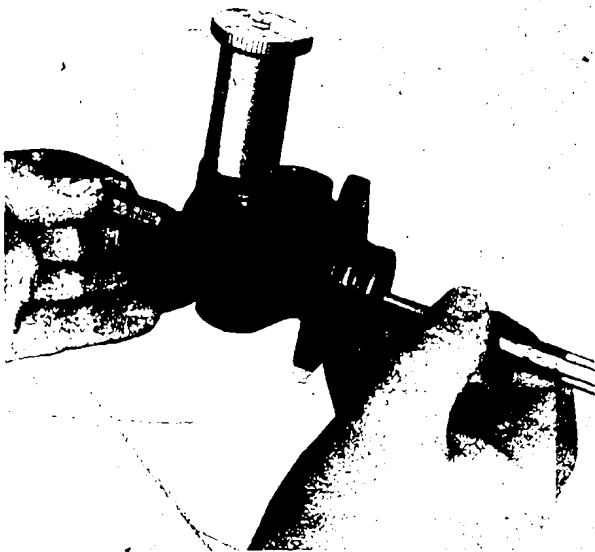
Insert new O-ring (2) in pump housing proceeding as follows:

Slightly compress the O-ring using tweezers and insert at a slant into the guide bore of thrust pin (4) (Fig. 3).



3

3



Insert punches with the same diameter from both sides into the guide bore and bring O-ring (2) into its proper position in this manner (Fig. 4).

Mount roller tappet (8), retainer (12), thrust pin (4), pump plunger (3), helical compression spring (5), seal ring (7) and screw plug (6).

Install the delivery-valve and suction valve. Screw in prefilter (20) and fuel supply screw (19).

Check the sealing surface of the hand primer for leaks and fit the supply pump onto the fuel-injection pump.

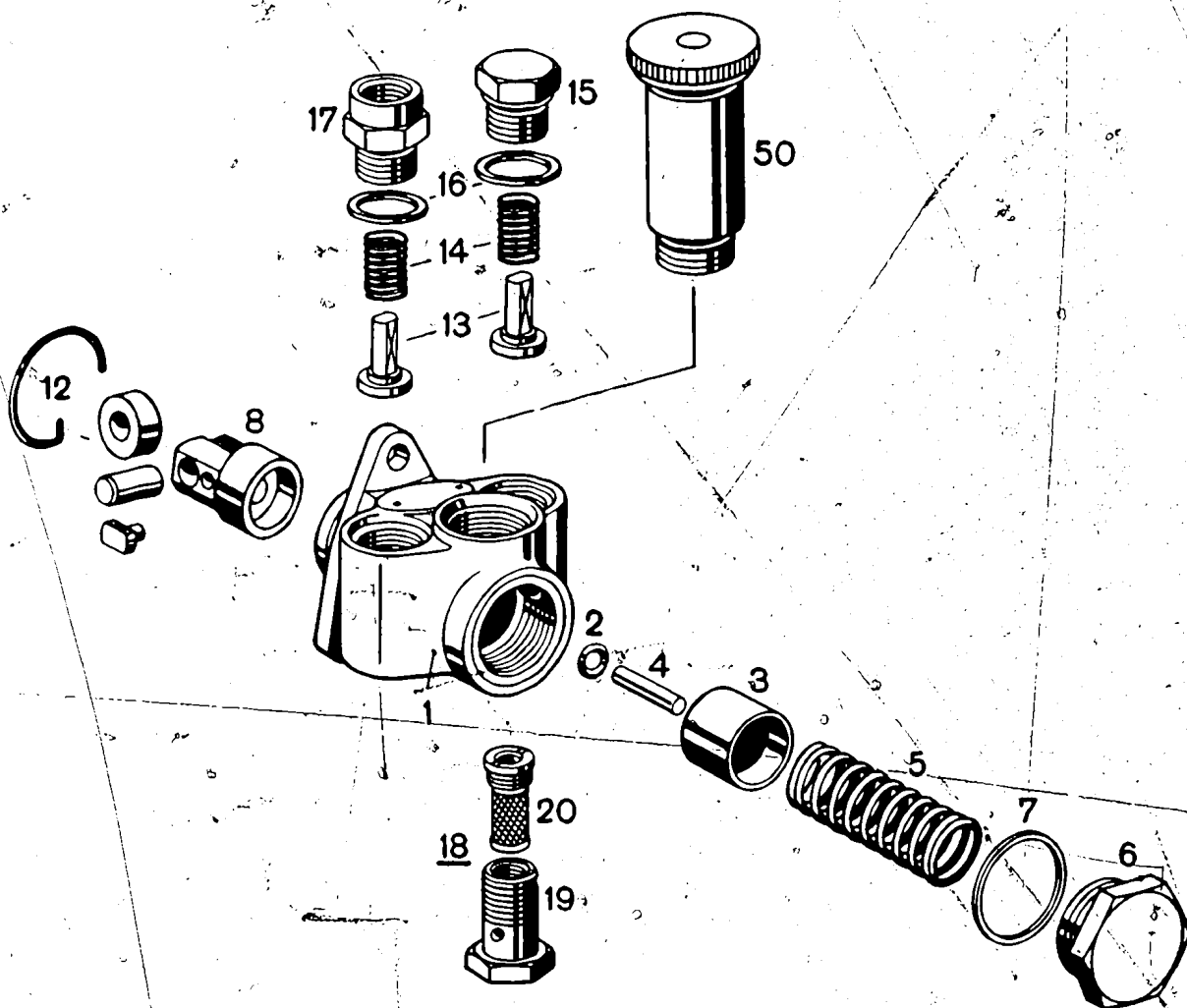


Fig. 5
Parts without numbers are not supplied individually.

Modification to prefilter in supply pumps 0 440 00 .. - FP/K ..

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VDT-I-440/101 En
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In supply pumps 0 440 00 .. fitted with a prefilter, unfavourable manufacturing tolerances may cause compression spring 2 454 642 000 to be over-compressed between the sight glass and polyamide filter with the result that the filter buckles. This spring should no longer be used.

Please scrap your stocks of spring 2 454 642 000 and submit warranty claims in the usual manner.

Order 2 454 642 001 as replacement springs.

Warranty claims

Please submit in the usual manner, stating the following:

Part number of defective component:	0 400 999 999
Date of manufacture:	999
Defect number:	10
Date of purchase or registration:	00 00
Date of failure:	11.77
GA	8
Part number of replacement	2 454 642 000

Please order replacement compression spring 2 454 642 001
in the usual manner.

BOSCH

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